

**AMENDMENTS TO THE SPECIFICATION:**

Please add the following new paragraph and section heading before the first paragraph beginning on page 1:

**CROSS-REFERENCE TO RELATED APPLICATIONS**

This application is a continuation of U.S. Application No. 09/889,229, filed on September 26, 2001, which was a national stage filing under 35 U.S.C. § 371 of International Application No. PCT/SE00/00047, filed on January 13, 2000.

Please insert after the last page of claims, the Abstract appearing separately on the next page.

**ABSTRACT OF THE DISCLOSURE**

Molecularly imprinted microspheres comprising specific binding site are described. These microspheres can be obtained by a method comprising polymerising functional monomers and crosslinkers in a reaction solvent in the presence of print molecules as templates in a surfactant-free precipitation polymerisation process. The print molecules used are capable of forming non-covalent, reversible covalent or semi-covalent interactions with said functional monomers. There is also disclosed the use of said microspheres in different applications.